

REMARKS

The specification has been amended to provide a cross-reference to the previously filed International Application. The specification has also been amended to correct typographical errors. Entry of the above amendments is earnestly solicited. An early and favorable first action on the merits is earnestly solicited.


Attached hereto is a marked-up version of the changes made to the application by this Preliminary Amendment.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

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By


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The paragraph on page 6, lines 1-14, has been amended as follows:

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The paragraph on page 23, lines 7-12, has been amended as follows:

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The paragraph on page 23 lines 22-25 continuing on page 24, lines 1-2, has been amended as follows:

The paragraph on page 26 lines 22-25 continuing on page 27, lines 1-13, has been amended as follows:

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pattern 42 are searched for from the virtual interpolation line patterns located below, to the lower left and to the right on the line F, as indicated by the arrows shown in Fig 5.

The paragraph on page 33 lines 7-16, has been amended as follows:

In Fig. 10, visual pixel rows (black) are designated by 21 to 25(A33 to A34, C27 to C31, E21 to E25, G15 to G19 and I10 to I13); interpolation-designated segments(-) are designated by 41 to 44(B27 to B31, D21 to D25, F15 to F19 and H10 to H13), interpolation-designated segments(+) are designated by 51. to 54(B33 to B34, D27 to D31, F21 to F25 and H15 to [19] H19); and pre-interpolation pixel rows are designated by 61 to 64 and 71 to 74(A30 to A34, C24, to C28, C30, to C34, E18 to E22, E24, to E28, G12 to G16, G18 to G22 and I12 to I16).

The paragraph on page 33 lines 17-21, has been amended as follows:

In Fig.11, visual pixel rows(black) are designated by 21 to 25(A33 to A34, C27 to C31, E21 to E25, G15 to G19 and I10 to I13); and interpolation pixel rows are designated by 81 to 84(B27 to B31, B33 to B34, D21 to D25, D27 to D31, F15 to F19, F21 to [F15] F25 H10 to H13 and H15 to H19).

The paragraph on page 33 lines 22-25 continuing on page 34, lines 1-4 has been amended as follows:

First, referring to an example of setting up a pixel row for interpolation in interpolation-designated segment [42(D-21 to 25)] 42(D21 to D25), pre-interpolation pixel row setup portion 143, based on the segment starting positions and length data of interpolation-designated segments 42 and 43([D-21] D21 to D25, [F-15] F15 to F19) obtained from virtual interpolation database 120, sets up pre-interpolation pixel rows 62 and 63(C24 to C28, E18 to E22), on lines C and E.

The paragraph on page 34 lines 16-22, has been amended as follows:

Then, the average of pixel data of C24 and E18 of pre-interpolation pixel rows 62 and 63(C24 to [C26] C28 and E18 to E22) is calculated to produce the pixel data of D21 of interpolation pixel row 82(D21 to D25). Thus, average of pixel data is calculated sequentially up to C28 and E22 so as to produce the pixel data of interpolation pixel row 82(D21 to D25).